The State of New Hampshire
*Department of Environmental Services*

Michael P. Nolin
Commissioner

# AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS

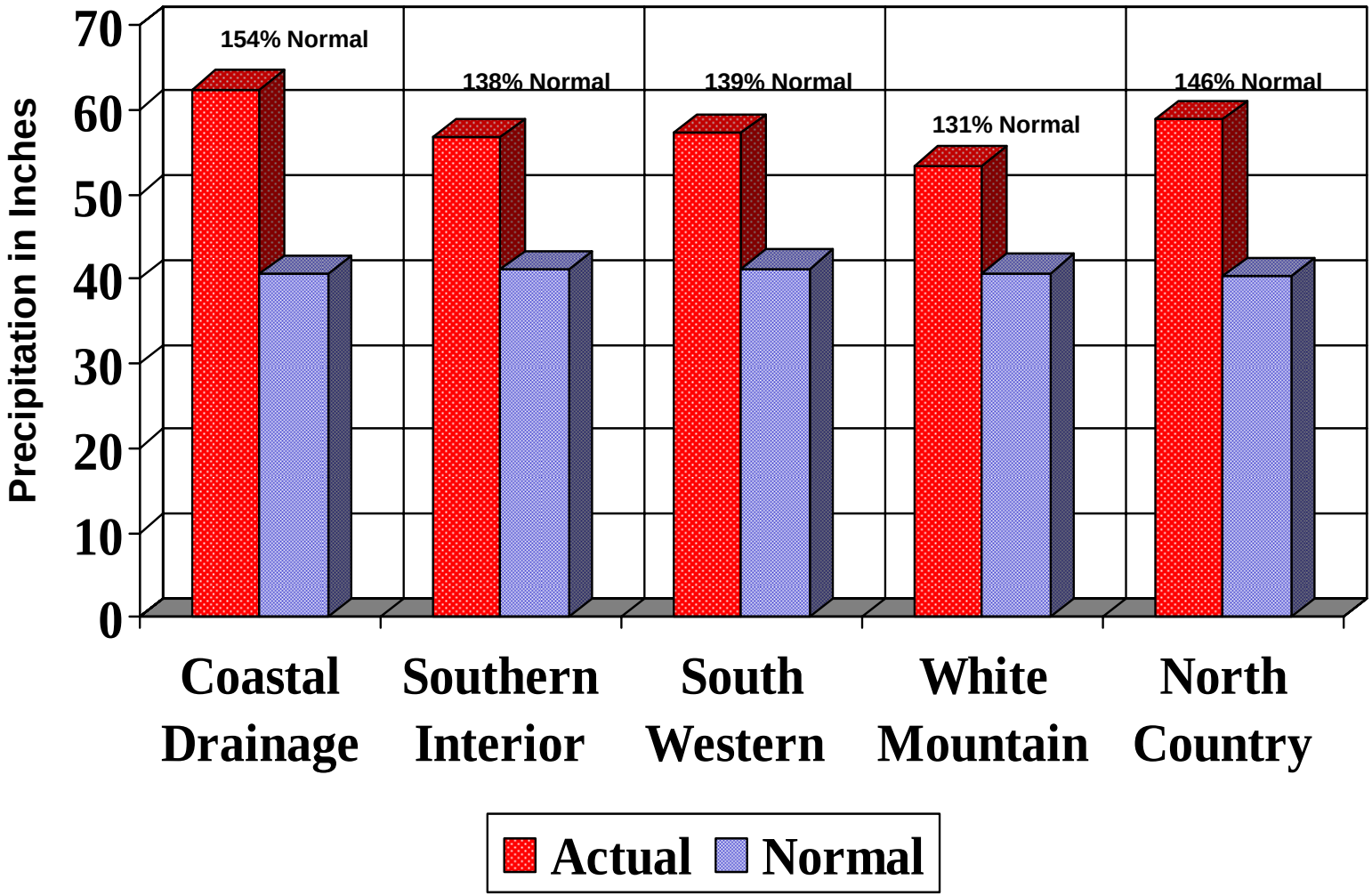
| | Actual Rainfall (inches) | Normal Rainfall (inches) | Deviation from Normal (inches) | Percent of Normal |
|---|---|---|---|---|
| Coastal Drainage: Rockingham, Strafford counties | | | | |
| four month | 17.77 | 14.02 | 3.75 | 127% |
| six month | 35.91 | 20.96 | 14.95 | 171% |
| nine month | 45.77 | 30.56 | 15.21 | 150% |
| twelve month | 62.43 | 40.62 | 21.81 | 154% |
| Southern Interior: Belknap, Hillsborough, Merrimack counties | | | | |
| four month | 16.04 | 13.93 | 2.10 | 115% |
| six month | 33.33 | 20.85 | 12.48 | 160% |
| nine month | 43.10 | 30.91 | 12.19 | 139% |
| twelve month | 56.75 | 41.08 | 15.67 | 138% |
| South Western: Cheshire, Sullivan counties | | | | |
| four month | 15.17 | 13.58 | 1.59 | 112% |
| six month | 33.59 | 20.48 | 13.11 | 164% |
| nine month | 45.32 | 30.84 | 14.48 | 147% |
| twelve month | 57.25 | 41.18 | 16.07 | 139% |
| White Mountain: Carroll, Grafton counties | | | | |
| four month | 14.92 | 13.06 | 1.86 | 114% |
| six month | 29.28 | 29.28 | 9.26 | 100% |
| nine month | 42.08 | 30.80 | 11.28 | 137% |
| twelve month | 53.33 | 40.66 | 12.67 | 131% |
| North Country: Coos county | | | | |
| four month | 15.36 | 12.12 | 3.24 | 127% |
| six month | 31.04 | 19.00 | 12.04 | 163% |
| nine month | 46.37 | 31.12 | 15.25 | 149% |
| twelve month | 58.78 | 40.24 | 18.54 | 146% |

four month period : November 2005 - February 2006
six month period : September 2005 - February 2006
nine month period : June 2005 - February 2006
twelve month period: March 2005 - February 2006

Source: Northeast River Forecast Center, NH Des Dam Bureau

**P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095**
Telephone: (603) 271-3503 • Fax: (603) 271-7894 • TDD Access: Relay NH 1-800-735-2964
DES Web site: **www.des.nh.gov**

# TWELVE MONTH AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS from March 2005 through February 2006




NH DES Dam Bureau, Northeast River Forecast Center

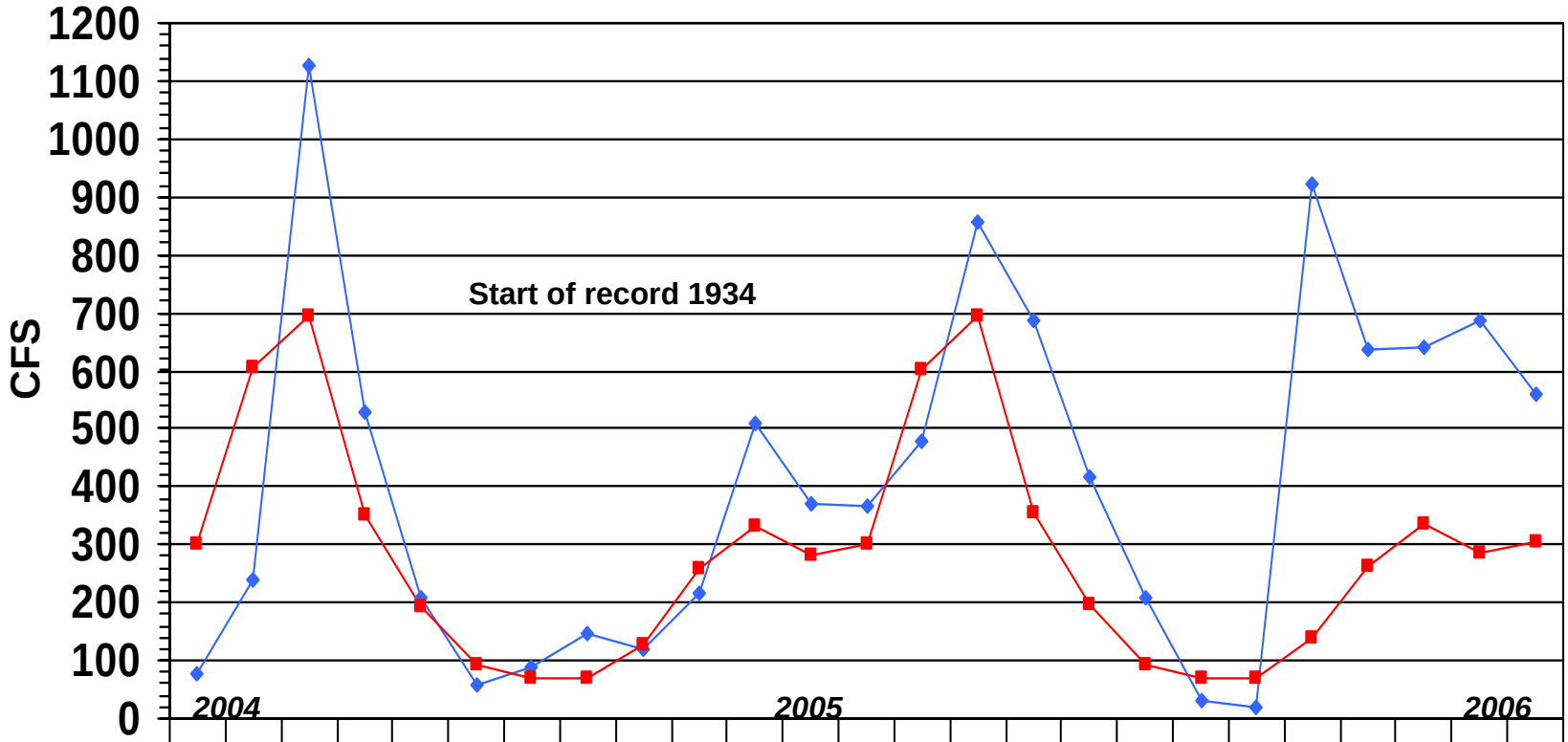
# MONTHLY PRECIPITATION DATA FOR N.H COUNTIES

| | | 2005 MARCH | APRIL | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC | 2006 JAN | FEB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Coastal drainage | | | | | | | | | | | | | |
| STRAFFORD | actual | 4.72 | 5.45 | 7.21 | 4.24 | 3.24 | 1.98 | 2.92 | 15.92 | 4.94 | 5.80 | 5.67 | 2.93 |
| | normal | 3.20 | 3.40 | 3.28 | 3.04 | 3.12 | 3.28 | 3.44 | 3.48 | 4.12 | 3.76 | 3.12 | 2.72 |
| | deviation | 1.52 | 2.05 | 3.93 | 1.20 | 0.12 | -1.30 | -0.52 | 12.44 | 0.82 | 2.04 | 2.55 | 0.21 |
| ROCKINGHAM | actual | 4.62 | 5.05 | 6.28 | 3.79 | 3.13 | 3.33 | 2.67 | 14.77 | 4.68 | 4.74 | 4.22 | 2.56 |
| | normal | 3.40 | 3.44 | 3.40 | 3.12 | 3.20 | 3.44 | 3.40 | 3.56 | 4.24 | 3.92 | 3.32 | 2.84 |
| | deviation | 1.22 | 1.61 | 2.88 | 0.67 | -0.07 | -0.11 | -0.73 | 11.21 | 0.44 | 0.82 | 0.90 | -0.28 |
| Average | actual | 4.67 | 5.25 | 6.75 | 4.02 | 3.19 | 2.66 | 2.80 | 15.35 | 4.81 | 5.27 | 4.95 | 2.75 |
| | normal | 3.30 | 3.42 | 3.34 | 3.08 | 3.16 | 3.36 | 3.42 | 3.52 | 4.18 | 3.84 | 3.22 | 2.78 |
| | deviation | 1.37 | 1.83 | 3.41 | 0.94 | 0.03 | -0.71 | -0.63 | 11.83 | 0.63 | 1.43 | 1.73 | -0.04 |
| Southern Interior | | | | | | | | | | | | | |
| HILLSBOROUGH | actual | 4.11 | 5.08 | 5.56 | 2.62 | 3.59 | 3.13 | 2.09 | 14.39 | 4.59 | 4.55 | 4.46 | 2.58 |
| | normal | 3.88 | 3.56 | 3.52 | 3.36 | 3.32 | 3.68 | 3.60 | 3.72 | 4.32 | 4.16 | 3.60 | 3.16 |
| | deviation | 0.23 | 1.52 | 2.04 | -0.74 | 0.27 | -0.55 | -1.51 | 10.67 | 0.27 | 0.39 | 0.86 | -0.58 |
| MERRIMACK | actual | 3.72 | 5.16 | 5.06 | 3.87 | 3.64 | 2.52 | 3.18 | 15.05 | 4.99 | 4.56 | 4.29 | 2.55 |
| | normal | 3.40 | 3.36 | 3.36 | 3.20 | 3.28 | 3.44 | 3.36 | 3.44 | 4.00 | 3.92 | 3.16 | 2.84 |
| | deviation | 0.32 | 1.80 | 1.70 | 0.67 | 0.36 | -0.92 | -0.18 | 11.61 | 0.99 | 0.64 | 1.13 | -0.29 |
| BELKNAP | actual | 2.53 | 4.69 | 5.05 | 4.46 | 3.08 | 2.38 | 3.47 | 13.71 | 4.02 | 5.14 | 4.26 | 2.12 |
| | normal | 2.92 | 3.24 | 3.28 | 3.16 | 3.44 | 3.28 | 3.36 | 3.28 | 3.80 | 3.48 | 2.92 | 2.44 |
| | deviation | -0.39 | 1.45 | 1.77 | 1.30 | -0.36 | -0.90 | 0.11 | 10.43 | 0.22 | 1.66 | 1.34 | -0.32 |
| Average | actual | 3.45 | 4.98 | 5.22 | 3.65 | 3.44 | 2.68 | 2.91 | 14.38 | 4.53 | 4.75 | 4.34 | 2.42 |
| | normal | 3.40 | 3.39 | 3.39 | 3.24 | 3.35 | 3.47 | 3.44 | 3.48 | 4.04 | 3.85 | 3.23 | 2.81 |
| | deviation | 0.05 | 1.59 | 1.84 | 0.41 | 0.09 | -0.79 | -0.53 | 10.90 | 0.49 | 0.90 | 1.11 | -0.40 |
| South Western | | | | | | | | | | | | | |
| CHESHIRE | actual | 3.98 | 4.68 | 3.99 | 5.34 | 5.05 | 2.99 | 2.86 | 15.86 | 4.87 | 4.81 | 4.10 | 1.55 |
| | normal | 3.48 | 3.40 | 3.44 | 3.44 | 3.28 | 3.68 | 3.52 | 3.36 | 3.84 | 3.76 | 3.28 | 2.80 |
| | deviation | 0.50 | 1.28 | 0.55 | 1.90 | 1.77 | -0.69 | -0.66 | 12.50 | 1.03 | 1.05 | 0.82 | -1.25 |
| SULLIVAN | actual | 3.06 | 4.49 | 3.66 | 3.73 | 2.62 | 3.73 | 2.92 | 15.20 | 5.42 | 3.76 | 3.82 | 2.01 |
| | normal | 3.36 | 3.44 | 3.56 | 3.36 | 3.32 | 3.64 | 3.44 | 3.48 | 3.84 | 3.72 | 3.12 | 2.80 |
| | deviation | -0.30 | 1.05 | 0.10 | 0.37 | -0.70 | 0.09 | -0.52 | 11.72 | 1.58 | 0.04 | 0.70 | -0.79 |
| Average | actual | 3.52 | 4.59 | 3.83 | 4.54 | 3.84 | 3.36 | 2.89 | 15.53 | 5.15 | 4.29 | 3.96 | 1.78 |
| | normal | 3.42 | 3.42 | 3.50 | 3.40 | 3.30 | 3.66 | 3.48 | 3.42 | 3.84 | 3.74 | 3.20 | 2.80 |
| | deviation | 0.10 | 1.17 | 0.33 | 1.14 | 0.54 | -0.30 | -0.59 | 12.11 | 1.31 | 0.55 | 0.76 | -1.02 |
| White Mountain | | | | | | | | | | | | | |
| GRAFTON | actual | 2.53 | 3.78 | 3.97 | 5.42 | 4.00 | 4.76 | 3.85 | 10.74 | 4.99 | 3.61 | 3.44 | 1.70 |
| | normal | 3.04 | 3.24 | 3.56 | 3.48 | 3.84 | 3.64 | 3.48 | 3.48 | 3.76 | 3.64 | 2.92 | 2.60 |
| | deviation | -0.51 | 0.54 | 0.41 | 1.94 | 0.16 | 1.12 | 0.37 | 7.26 | 1.23 | -0.03 | 0.52 | -0.90 |
| CARROLL | actual | 2.13 | 4.83 | 5.26 | 4.09 | 3.74 | 3.59 | 3.20 | 10.92 | 4.74 | 5.11 | 4.06 | 2.19 |
| | normal | 3.08 | 3.32 | 3.48 | 3.44 | 3.68 | 3.48 | 3.44 | 3.52 | 3.92 | 3.68 | 3.00 | 2.60 |
| | deviation | -0.95 | 1.51 | 1.78 | 0.65 | 0.06 | 0.11 | -0.24 | 7.40 | 0.82 | 1.43 | 1.06 | -0.41 |
| Average | actual | 2.33 | 4.31 | 4.62 | 4.76 | 3.87 | 4.18 | 3.53 | 10.83 | 4.87 | 4.36 | 3.75 | 1.95 |
| | normal | 3.06 | 3.28 | 3.52 | 3.46 | 3.76 | 3.56 | 3.46 | 3.50 | 3.84 | 3.66 | 2.96 | 2.60 |
| | deviation | -0.73 | 1.03 | 1.10 | 1.30 | 0.11 | 0.62 | 0.07 | 7.33 | 1.03 | 0.70 | 0.79 | -0.66 |
| North Country | | | | | | | | | | | | | |
| COOS | actual | 3.14 | 4.45 | 4.82 | 5.59 | 4.99 | 4.75 | 4.78 | 10.90 | 5.96 | 4.00 | 3.54 | 1.86 |
| | normal | 2.76 | 3.04 | 3.32 | 4.16 | 3.96 | 4.00 | 3.40 | 3.48 | 3.48 | 3.44 | 2.72 | 2.48 |
| | deviation | 0.38 | 1.41 | 1.50 | 1.43 | 1.03 | 0.75 | 1.38 | 7.42 | 2.48 | 0.56 | 0.82 | -0.62 |

Source: Northeast River Forecast Center, NH DES Dam Bureau

# LAMPREY RIVER near NEWMARKET NH
# Gage# 01073500

## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

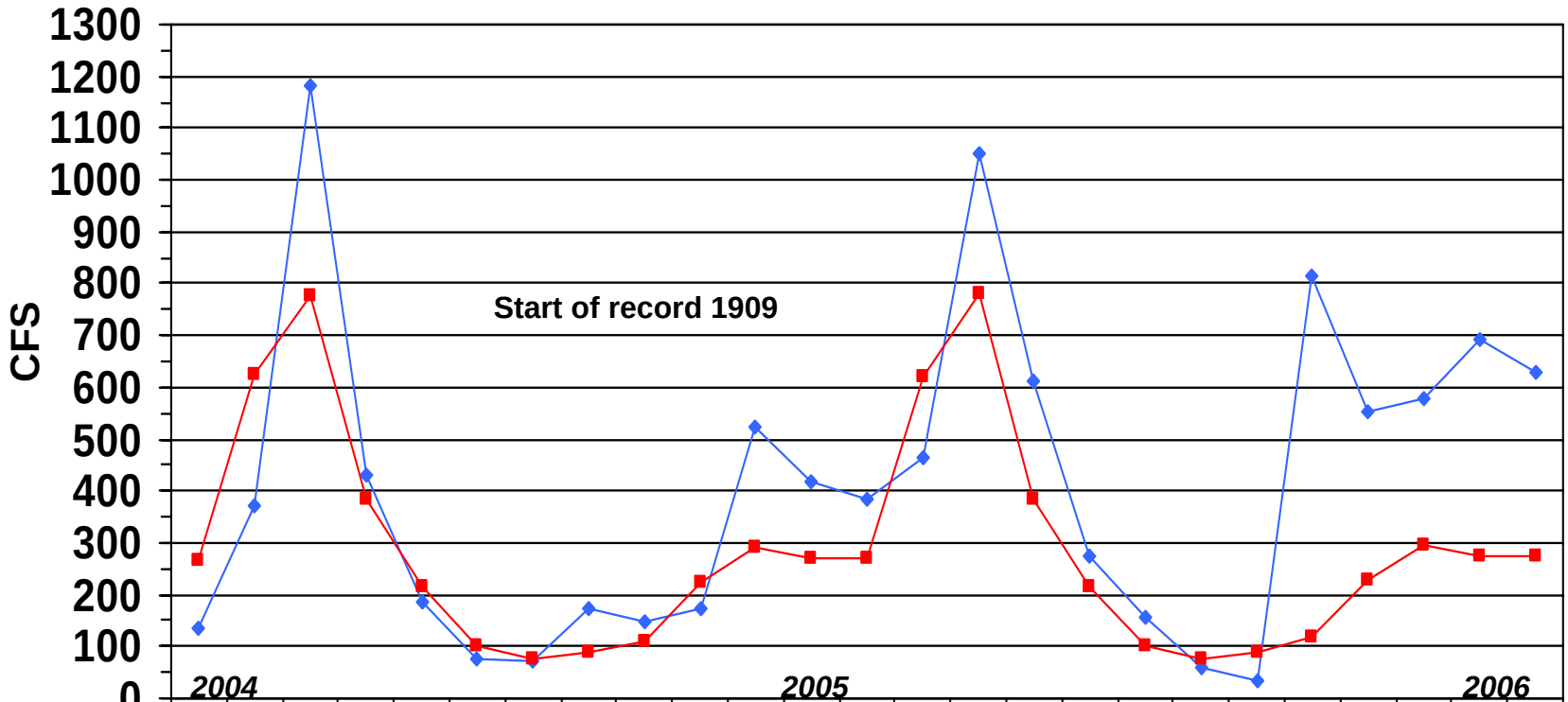



| | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Mean Flow | 79 | 241 | 1125 | 529 | 207 | 56 | 89 | 145 | 119 | 217 | 508 | 369 | 368 | 477 | 857 | 685 | 415 | 209 | 29 | 18 | 923 | 638 | 639 | 685 | 561 |
| Mean of Monthly Flows | 300 | 605 | 694 | 351 | 192 | 91 | 71 | 71 | 128 | 259 | 333 | 282 | 301 | 603 | 696 | 355 | 195 | 93 | 70 | 70 | 139 | 264 | 337 | 287 | 304 |
| % of Normal | 26% | 40% | 162% | 151% | 108% | 62% | 125% | 204% | 93% | 84% | 153% | 131% | 123% | 79% | 123% | 193% | 213% | 255% | 41% | 26% | 664% | 242% | 190% | 239% | 185% |

NH DES, Dam Bureau, Source: USGS (Ice: 01/03,12/04)

# SOUHEGAN RIVER at MERRIMACK NH
# Gage# 01094000

## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

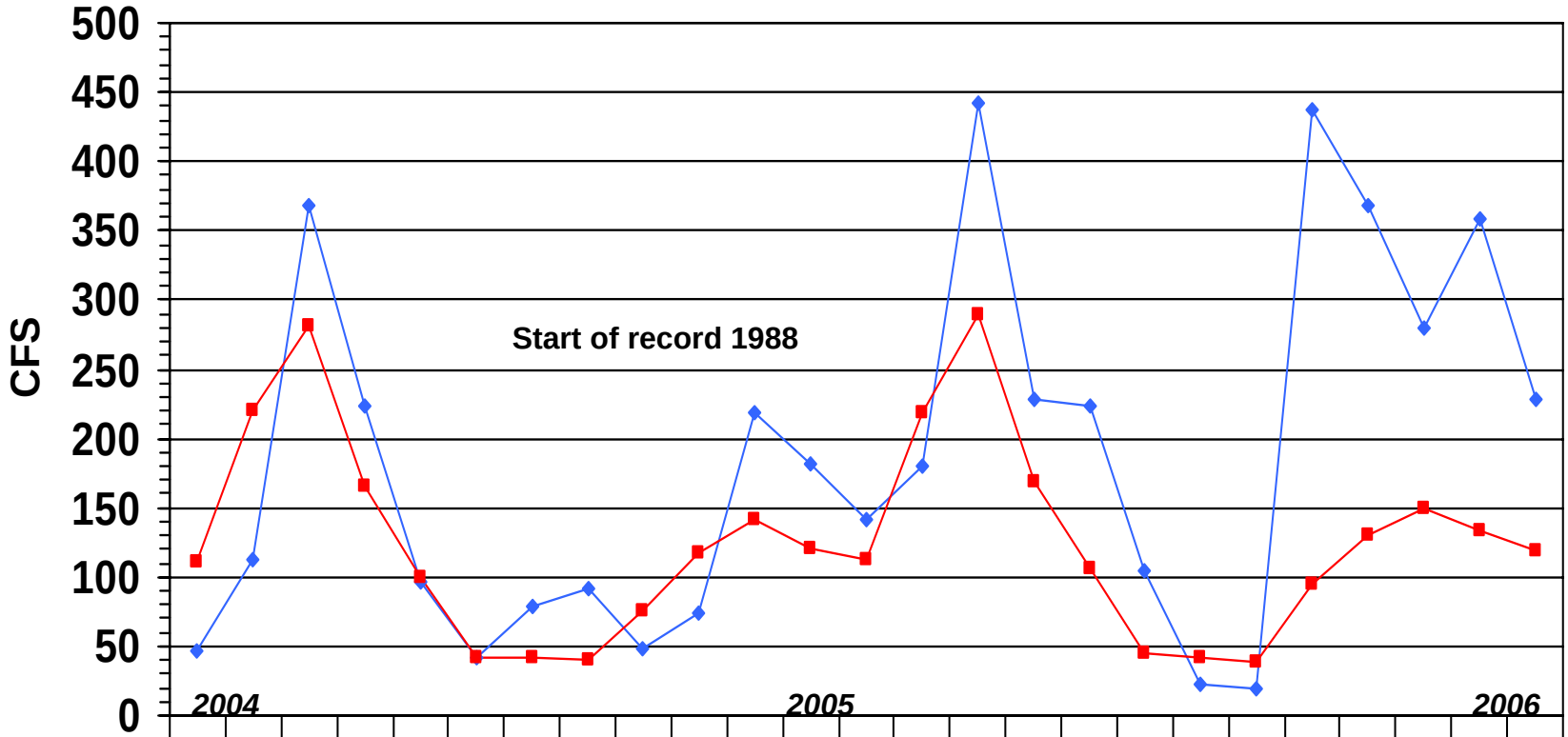



| | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Mean Flow | 137 | 371 | 1181 | 430 | 184 | 76 | 71 | 173 | 146 | 171 | 525 | 419 | 386 | 464 | 1049 | 613 | 276 | 158 | 61 | 32 | 814 | 551 | 580 | 693 | 630 |
| Mean of Monthly Flows | 268 | 624 | 776 | 382 | 214 | 100 | 78 | 89 | 108 | 224 | 292 | 270 | 270 | 622 | 780 | 385 | 215 | 101 | 78 | 88 | 118 | 228 | 296 | 276 | 275 |
| % of Normal | 51% | 59% | 152% | 112% | 81% | 65% | 79% | 194% | 135% | 76% | 180% | 155% | 143% | 75% | 134% | 159% | 128% | 156% | 78% | 36% | 690% | 242% | 196% | 251% | 229% |

NH DES, Dam Bureau, Source: USGS (ice-01/03,02/03,03/03,01/04,02/04)

# SOUCOOK RIVER at PEMBROKE ROAD
# near CONCORD NH, Gage# 01089100

## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

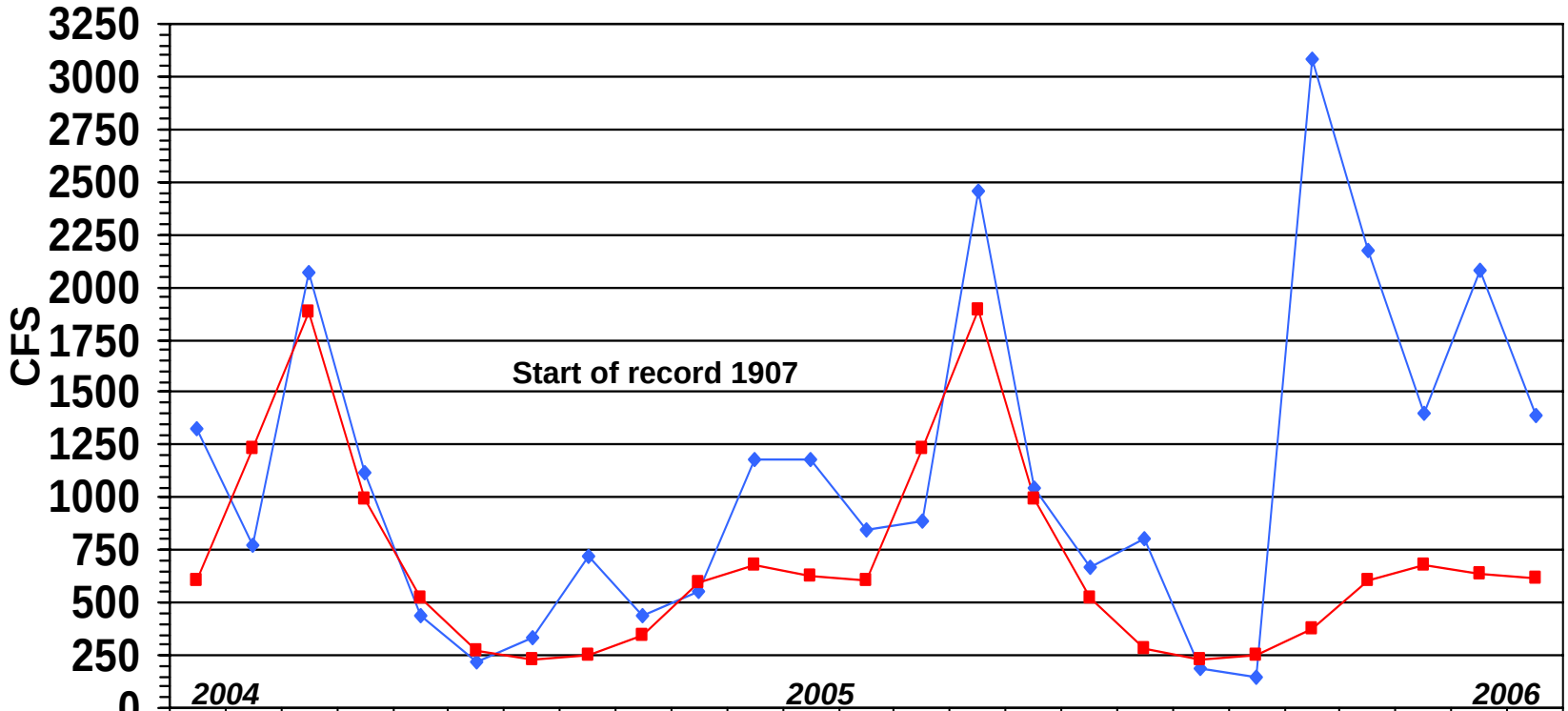



| | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Mean Flow | 47 | 112 | 368 | 224 | 97 | 42 | 79 | 91 | 49 | 74 | 218 | 181 | 141 | 180 | 442 | 229 | 224 | 104 | 22 | 19 | 438 | 368 | 280 | 359 | 229 |
| Mean of Monthly Flows | 111 | 221 | 281 | 165 | 99 | 41 | 42 | 40 | 75 | 117 | 142 | 120 | 113 | 219 | 290 | 169 | 106 | 45 | 41 | 39 | 95 | 131 | 150 | 133 | 119 |
| % of Normal | 42% | 51% | 133% | 136% | 98% | 102% | 188% | 228% | 65% | 63% | 149% | 143% | 125% | 84% | 152% | 137% | 115% | 231% | 54% | 49% | 461% | 281% | 187% | 270% | 192% |

NH DES, Dam Bureau, Source: USGS (ice: 01/03, 02/03, 03/03, 01/04, 02/04, 03/04).

# ASHUELOT RIVER at HINSDALE NH
# Gage# 01161000

## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

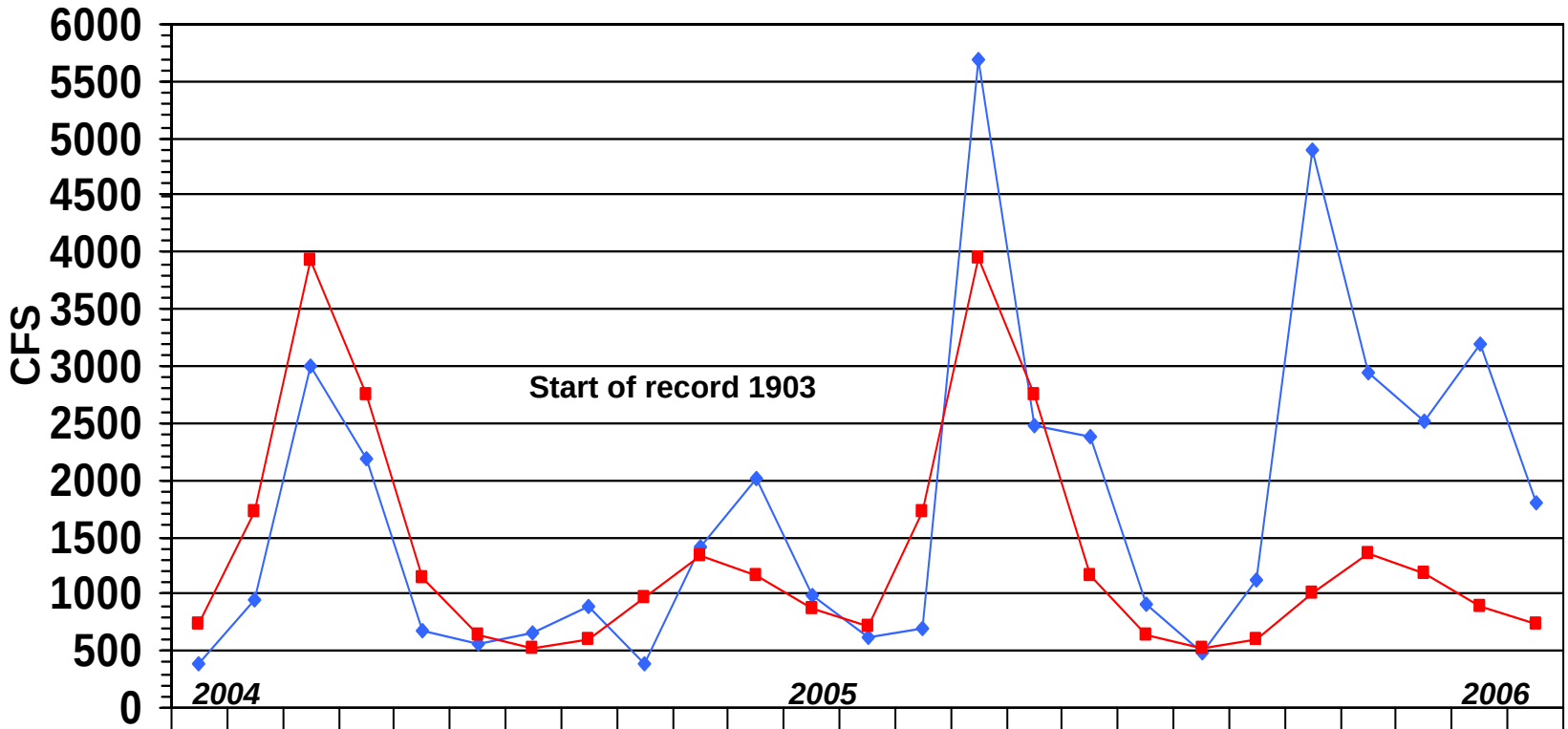



| | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Mean Flow | 1324 | 769 | 2072 | 1122 | 437 | 224 | 334 | 721 | 434 | 554 | 1185 | 1182 | 850 | 890 | 2454 | 1048 | 671 | 802 | 190 | 145 | 3088 | 2171 | 1396 | 2082 | 1385 |
| Mean of Monthly Flows | 608 | 1236 | 1882 | 991 | 523 | 274 | 230 | 249 | 350 | 593 | 675 | 624 | 610 | 1232 | 1888 | 991 | 524 | 279 | 230 | 247 | 378 | 610 | 683 | 640 | 618 |
| % of Normal | 218% | 62% | 110% | 113% | 84% | 82% | 145% | 290% | 117% | 80% | 170% | 184% | 139% | 72% | 130% | 106% | 128% | 287% | 83% | 59% | 817% | 356% | 204% | 325% | 224% |

NH DES, Dam Bureau, Source: USGS (ice: 01/03,02/03,03/03,01/04,02/04,03/04)

# PEMIGEWASSET RIVER at PLYMOUTH NH
# Gage# 01076500

## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



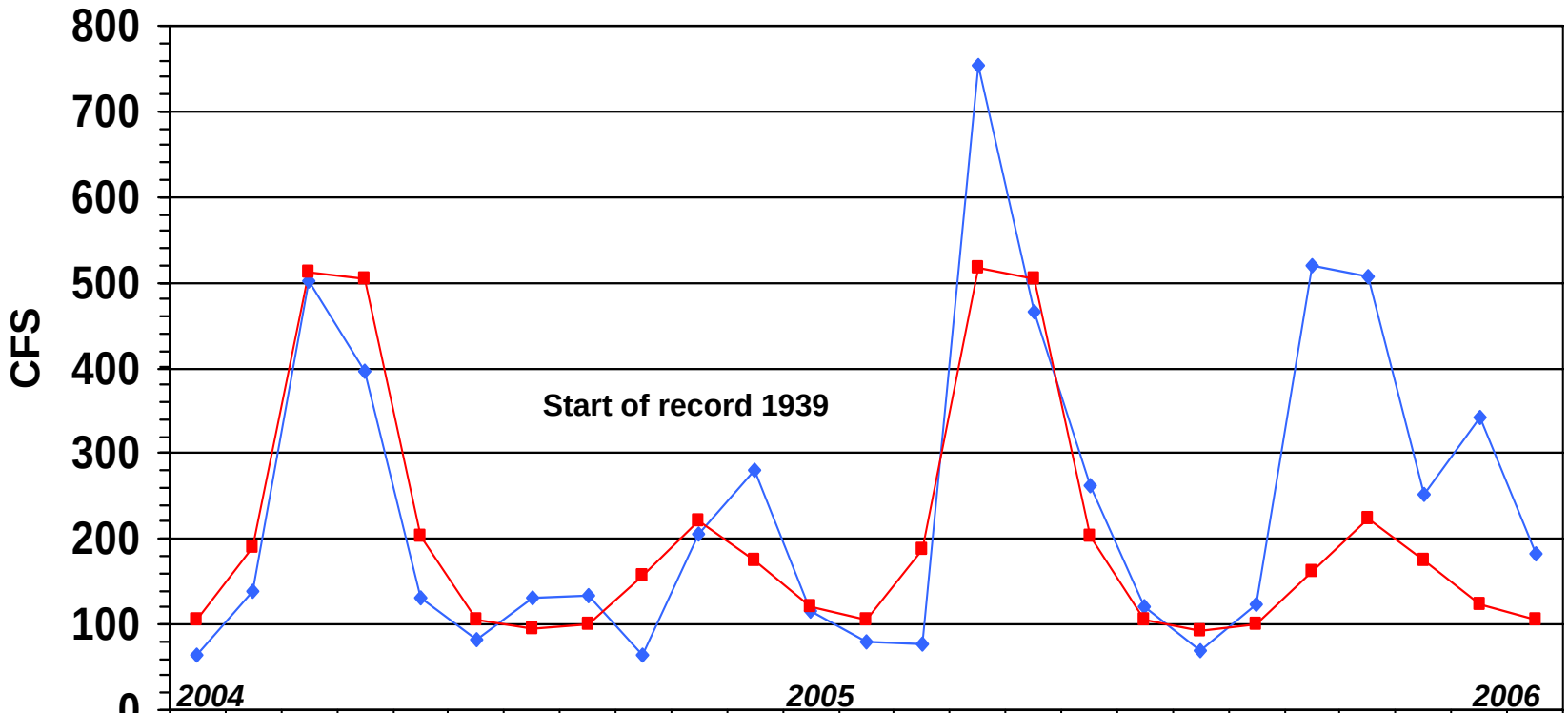

| | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Mean Flow | 380 | 949 | 3009 | 2191 | 681 | 563 | 654 | 890 | 393 | 1416 | 2014 | 986 | 614 | 702 | 5697 | 2472 | 2380 | 901 | 475 | 1114 | 4888 | 2948 | 2512 | 3189 | 1802 |
| Mean of Monthly Flows | 726 | 1728 | 3924 | 2756 | 1147 | 634 | 515 | 598 | 964 | 1342 | 1161 | 870 | 725 | 1718 | 3941 | 2754 | 1159 | 637 | 514 | 603 | 1002 | 1358 | 1174 | 892 | 736 |
| % of Normal | 52% | 55% | 77% | 79% | 59% | 89% | 127% | 149% | 41% | 106% | 173% | 113% | 85% | 41% | 145% | 90% | 205% | 142% | 92% | 185% | 488% | 217% | 214% | 358% | 245% |

NH DES, Dam Bureau, Source: USGS (ice: 01/03,02/03,03/03,12/03,01/04,02/04,03/04,12/04)

# AMMONOOSUC RIVER at BETHLEHEM JUNCTION NH
# Gage# 01137500

## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

**This station replaces gage# 01137000 which was discontinued by DES at the end of Sept 2004**




| | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Mean Flow | 64 | 138 | 501 | 397 | 131 | 82 | 130 | 135 | 64 | 207 | 281 | 117 | 80 | 77 | 753 | 465 | 262 | 120 | 70 | 123 | 520 | 507 | 252 | 341 | 183 |
| Mean of Monthly Flows | 105 | 190 | 513 | 503 | 203 | 105 | 94 | 100 | 157 | 221 | 174 | 120 | 105 | 188 | 516 | 503 | 204 | 105 | 93 | 100 | 162 | 225 | 175 | 123 | 106 |
| % of Normal | 61% | 73% | 98% | 79% | 65% | 78% | 138% | 135% | 41% | 94% | 161% | 98% | 76% | 41% | 146% | 92% | 128% | 114% | 75% | 123% | 321% | 225% | 144% | 277% | 173% |

NH DES, Dam Bureau, Source: USGS(ice:01/04,02/04,03/04,12/04)

# STREAMFLOW DATA FOR SELECTED NH STATIONS AS OF MARCH 7, 2006

| Station number | Station name | Est. Mean Flow (cfs) | Long Term Median Flow | 99% Flow (cfs) | 7Q10 Flow (cfs) | Lowest Period of Record Daily Flow (cfs) | % of Median | Below 0.99 Flow? | Below 7Q10 Flow? | Below Record Flow? |
|---|---|---|---|---|---|---|---|---|---|---|
| **Androscoggin River Basin** | | | | | | | | | | |
| 01052500 | Diamond River near Wentworth Location, NH | Ice | 89 | 22 | 16 | 6.8 | #REF! | #REF! | #REF! | #REF! |
| 01053500 | Androscoggin River at Errol, NH | 3,800 | 1,810 | 500 | 451 | 0 | #REF! | #REF! | #REF! | #REF! |
| 01054000 | Androscoggin River near Gorham, NH | 4,310 | 2,150 | 1300 | 1310 | 795 | #REF! | #REF! | #REF! | #REF! |
| **Saco River Basin** | | | | | | | | | | |
| 01064500 | Saco River near Conway, NH | Ice | 390 | 105 | 97 | 66 | #REF! | #REF! | #REF! | #REF! |
| 01064801 | BEARCAMP RIVER AT SOUTH TAMWORTH, NH | Ice | 148 | 6 | 4.8 | 4.5 | #REF! | #REF! | #REF! | #REF! |
| **Piscataqua River Basin** | | | | | | | | | | |
| 01072800 | COCHECO RIVER NEAR ROCHESTER, NH | 72 | 159 | -- | -- | 2.2 | #REF! | | | #REF! |
| 01073500 | LAMPREY RIVER NEAR NEWMARKET, NH | 139 | 358 | 7 | 5 | -- | #REF! | #REF! | #REF! | |
| **Merrimack River Basin** | | | | | | | | | | |
| 01074520 | EAST BRANCH PEMIGEWASSET RIVER AT LINCOLN, NH | Ice | 132 | 55 | 49 | 46 | #VALUE! | #VALUE! | #VALUE! | #VALUE! |
| 01075000 | PEMIGEWASSET RIVER AT WOODSTOCK, NH | 224 | 160 | 65 | 56 | -- | 140% | FALSE | FALSE | |
| 01076000 | BAKER RIVER NEAR RUMNEY, NH | Ice | 118 | 18 | 15 | -- | #VALUE! | #VALUE! | #VALUE! | |
| 01076500 | PEMIGEWASSET RIVER AT PLYMOUTH, NH | Ice | 600 | 130 | 118 | 45 | #VALUE! | #VALUE! | #VALUE! | #VALUE! |
| 01078000 | SMITH RIVER NEAR BRISTOL, NH | Ice | 87 | 7 | 6.2 | 2.7 | #VALUE! | #VALUE! | #VALUE! | #VALUE! |
| 01081000 | WINNIPESAUKEE RIVER AT TILTON, NH | 842 | 837 | 143 | 136 | 48 | 101% | FALSE | FALSE | FALSE |
| 01081500 | MERRIMACK RIVER AT FRANKLIN JUNCTION, NH | 1,830 | 1,930 | 520* | 551 | -- | 95% | | FALSE | |
| 01082000 | CONTOOCOOK RIVER AT PETERBOROUGH, NH | 71 | 105 | 5.5 | 6.3 | -- | 68% | FALSE | FALSE | |
| 01085000 | CONTOOCOOK RIVER NEAR HENNIKER, NH | 361 | 538 | 40 | 37 | -- | 67% | FALSE | FALSE | |
| 01085500 | CONTOOCOOK R BL HOPKINTON DAM AT W HOPKINTON, NH | 521 | 512 | 35 | 39 | -- | 102% | FALSE | FALSE | |
| 01086000 | WARNER RIVER AT DAVISVILLE, NH | Ice | 206 | 6 | 5.3 | -- | #VALUE! | #VALUE! | #VALUE! | |
| 01087000 | BLACKWATER RIVER NEAR WEBSTER, NH | 310 | 154 | 15.5 | 13.7 | -- | 201% | FALSE | FALSE | |
| 01090800 | PISCATAQUOG RIVER BL EVERETT DAM, NR E WEARE, NH | 59 | 98.5 | 1.7 | 1.2 | -- | 60% | FALSE | FALSE | |
| 01091500 | PISCATAQUOG RIVER NEAR GOFFSTOWN, NH | 180 | 353 | 8 | 8.8 | -- | 51% | FALSE | FALSE | |
| 01092000 | MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH | 3,760 | 4,785 | 560* | 644 | 98* | 79% | | FALSE | |
| 01094000 | SOUHEGAN RIVER AT MERRIMACK, NH | 197 | 301 | 15 | 12.9 | -- | 65% | FALSE | FALSE | |
| **Connecticut River Basin** | | | | | | | | | | |
| 01129200 | CONNECTICUT R BELOW INDIAN STREAM NR PITTSBURG, NH | 332 | 625 | | 42 | 30 | 53% | FALSE | FALSE | FALSE |
| 01129500 | CONNECTICUT RIVER AT NORTH STRATFORD, NH | Ice | 1,150 | | 176 | 108 | #VALUE! | #VALUE! | #VALUE! | #VALUE! |
| 01131500 | CONNECTICUT RIVER NEAR DALTON, NH | Ice | 1,630 | | 389 | 115 | #VALUE! | #VALUE! | #VALUE! | #VALUE! |
| 01137500 | AMMONOOSUC RIVER AT BETHLEHEM JUNCTION, NH | Ice | 71 | | 28 | 21 | #VALUE! | #VALUE! | #VALUE! | #VALUE! |
| 01138500 | CONNECTICUT RIVER AT WELLS RIVER, VT | 2,590 | 3,990 | | 690 | 152* | 65% | | FALSE | |
| 01144500 | CONNECTICUT RIVER AT WEST LEBANON, NH | 6,960 | 4,885 | 380* | 902 | 82* | 142% | | FALSE | |
| 01152500 | SUGAR RIVER AT WEST CLAREMONT, NH | 251 | 296 | 40 | 38 | 14 | 85% | FALSE | FALSE | FALSE |
| 01154500 | CONNECTICUT RIVER AT NORTH WALPOLE, NH | 5,230 | 7,470 | 260* | 1058 | 115* | 70% | | FALSE | |
| 01158000 | ASHUELOT RIVER BELOW SURRY MT DAM, NEAR KEENE, NH | 81 | 147 | 4.5 | 2.7 | 0.4 | 55% | FALSE | FALSE | FALSE |
| 01158600 | OTTER BROOK BELOW OTTER BROOK DAM, NEAR KEENE, NH | 26 | 56.5 | 1.6 | 1.1 | 0.3 | 46% | FALSE | FALSE | FALSE |
| 01160350 | ASHUELOT RIVER AT WEST SWANZEY, NH | 222 | 669 | 32 | -- | -- | 33% | FALSE | | |

*Flow duration and record low mean daily flow significantly affected by reservoir operations

**Estimated

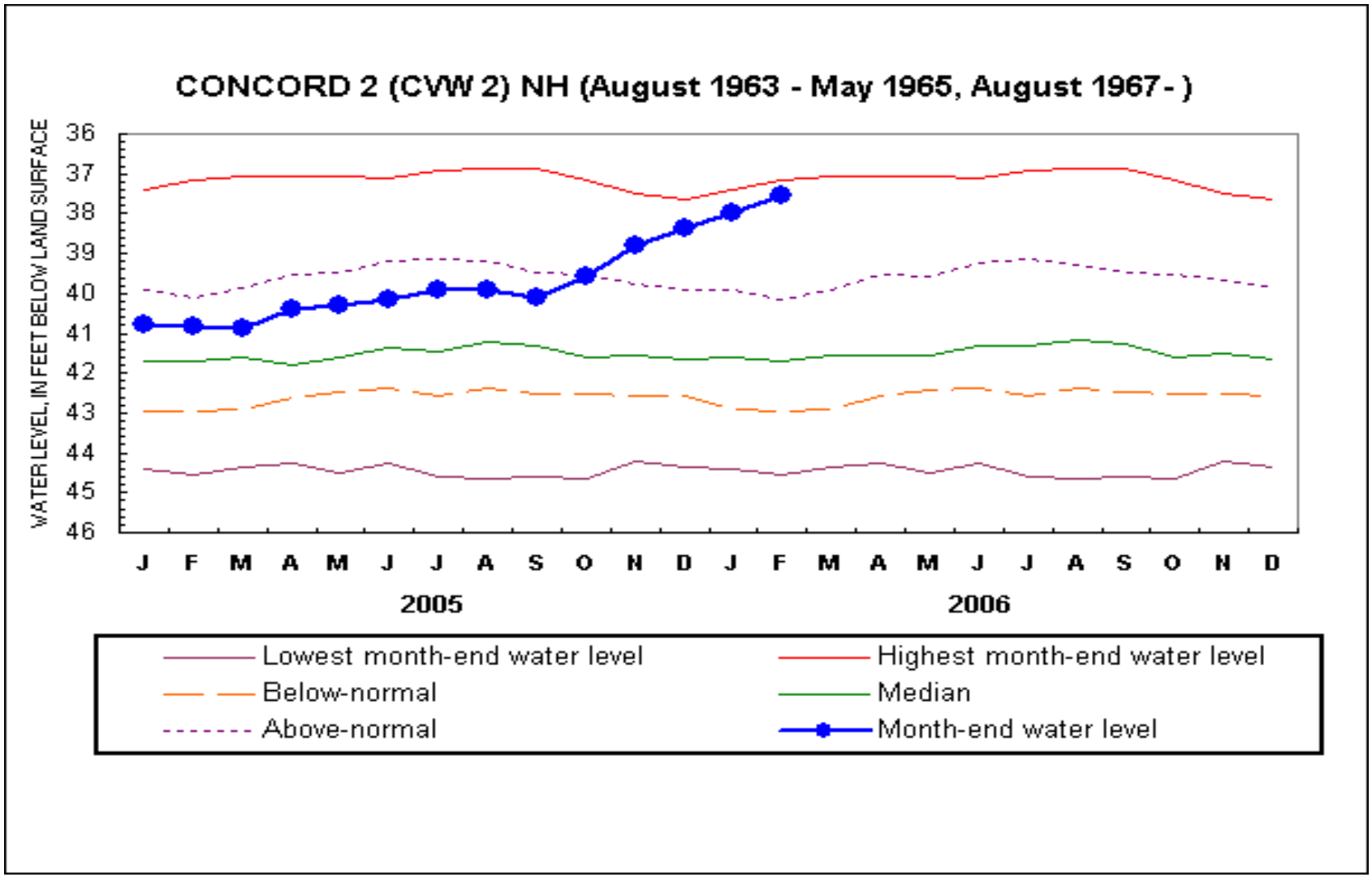
Source: USGS, NH DES

| SUMMARY | Below 0.99 Flow? | Below 7Q10 Flow? | Below Record Flow? |
|---|---|---|---|
| FALSE = | 14 | 18 | 5 |
| TRUE = | 0 | 0 | 0 |

# New Hampshire Groundwater Levels for February 2006

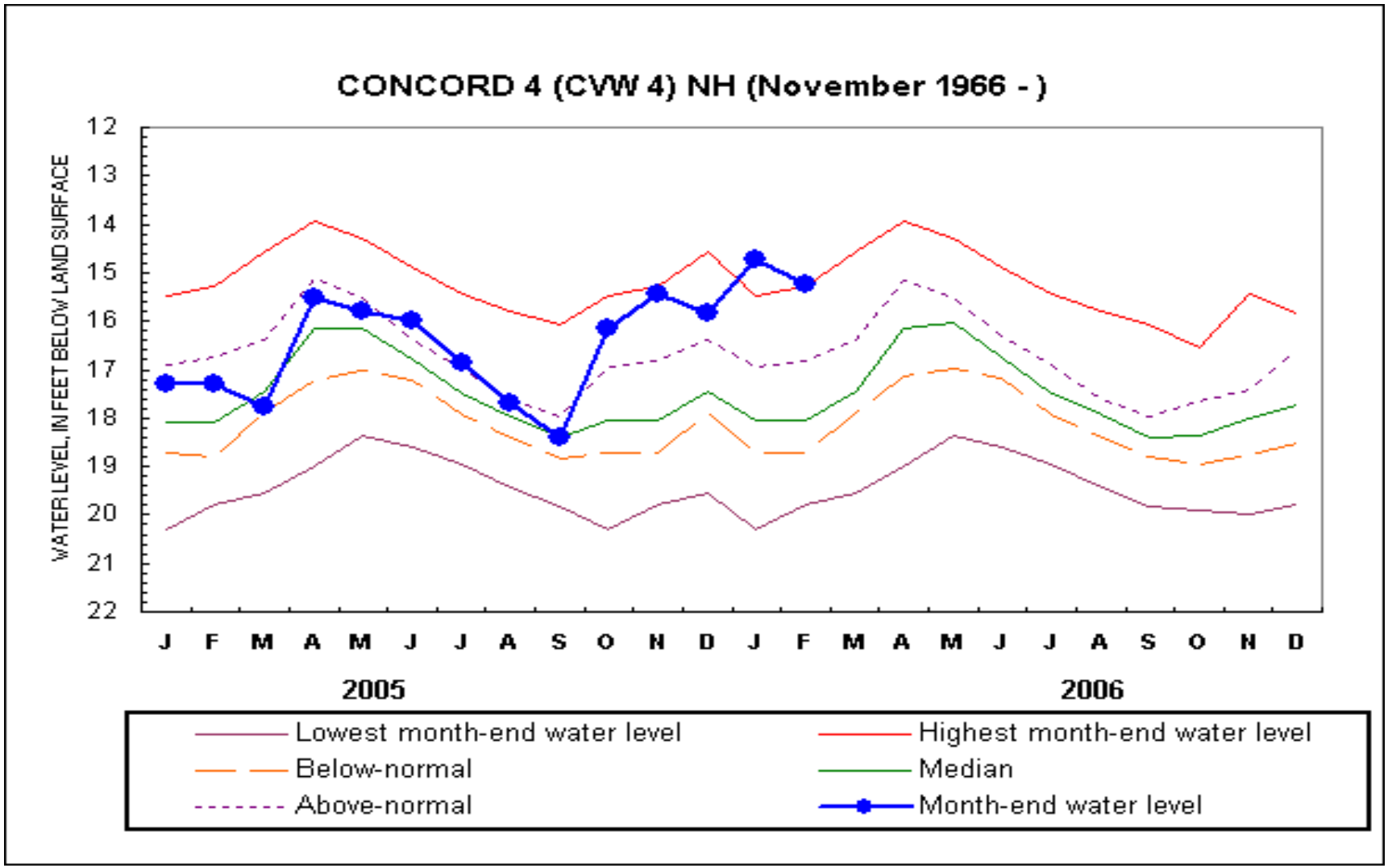
| WELL | START OF RECORD | WATER LEVEL BELOW SURFACE DATUM (ft) | NET CHANGE IN ONE MONTH (ft) | NET CHANGE IN ONE YEAR (ft) | MEDIAN | RANGE (ft) | DEPARTURE FROM MONTHLY MEDIAN (FT) | PERCENT OF RANGE | STATUS |
|---|---|---|---|---|---|---|---|---|---|
| ALBANY 14 | 1995 | 5.71 | -1.37 | +1.16 | 6.97 | 2.12 | +1.26 | 59.4 | ABOVE NORMAL |
| ALBANY 15 | 1995 | 7.70 | -1.82 | +1.13 | 8.88 | 2.53 | +1.18 | 46.6 | ABOVE NORMAL |
| BARNSTEAD 10 | 1995 | 2.54 | -0.18 | +0.09 | 2.95 | 0.32 | +0.41 | 128.1 | ABOVE NORMAL |
| CAMPTON 34 | 1988 | 12.41 | -1.39 | +0.66 | 13.07 | 2.24 | +0.66 | 29.5 | ABOVE NORMAL |
| COLEBROOK 73 | 1995 | 7.60 | -0.47 | -0.02 | 7.34 | 0.71 | -0.26 | -36.6 | ABOVE NORMAL |
| CONCORD 2 | 1963 | 37.54 | +0.42 | +3.31 | 41.68 | 4.54 | +4.14 | 91.2 | ABOVE NORMAL |
| CONCORD 4 | 1966 | 15.24 | -0.50 | +2.07 | 18.04 | 2.75 | +2.80 | 101.8 | ABOVE NORMAL |
| DEERFIELD 46 | 1984 | 37.43 | +0.14 | +1.21 | 38.65 | 0.77 | +1.22 | 158.4 | ABOVE NORMAL |
| ENFIELD 30 | 1990 | 2.57 | -0.77 | +5.10 | 7.23 | 3.90 | +4.66 | 119.5 | ABOVE NORMAL |
| ERROL 1 | 1966 | ---- | ---- | ---- | 13.2 | ---- | ---- | ---- | ---- |
| FRANKLIN 1 | 1966 | 7.99 | -0.03 | +5.20 | 13.30 | 3.68 | +5.31 | 144.3 | ABOVE NORMAL |
| GREENFIELD 75 | 1995 | 58.58 | +0.64 | +3.77 | 62.49 | 3.20 | +3.91 | 122.2 | ABOVE NORMAL |
| HOOKSETT 5 | 1965 | 46.29 | +0.07 | +1.74 | 47.97 | 6.25 | +1.68 | 26.9 | ABOVE NORMAL |
| KEENE 2 | 1963 | 3.00 | ---- | +0.41 | 3.18 | 2.10 | +0.18 | 8.6 | NORMAL |
| LANCASTER 1 | 1966 | ---- | ---- | ---- | 1.50 | ---- | ---- | ---- | ---- |
| LEE 1 | 1953 | 30.47 | -0.42 | +0.05 | 31.12 | 1.17 | +0.65 | 55.6 | ABOVE NORMAL |
| LISBON 19 | 1990 | 12.39 | -0.40 | +0.43 | 13.02 | 1.63 | +0.63 | 38.7 | NORMAL |
| NASHUA 218 | 1964 | 26.38 | -0.07 | +0.51 | 28.22 | 1.33 | +1.84 | 138.3 | ABOVE NORMAL |
| NEW DURHAM 53 | 1986 | 18.68 | -0.27 | +0.26 | 19.17 | 1.02 | +0.49 | 48.0 | NORMAL |
| NEW LONDON 1 | 1947 | 6.93 | -2.69 | +1.57 | 9.30 | 5.63 | +2.37 | 42.1 | ABOVE NORMAL |
| NEWPORT 3 | 1995 | 4.95 | -1.27 | +0.85 | 5.89 | 1.74 | +0.94 | 54.0 | ABOVE NORMAL |
| NEWPORT 6 | 1995 | 5.03 | -1.29 | +0.82 | 5.97 | 1.92 | +0.94 | 49.0 | ABOVE NORMAL |
| OSSIPEE 38 | 1995 | 33.53 | +0.10 | +2.46 | 36.01 | 1.14 | +2.48 | 217.5 | ABOVE NORMAL |
| SHELBURNE 2 | 1995 | 4.78 | -0.35 | +0.27 | 4.70 | 0.35 | -0.08 | -22.9 | NORMAL |
| WARNER 1 | 1965 | 27.63 | +0.17 | +2.99 | 30.81 | 1.71 | +3.61 | 211.1 | ABOVE NORMAL |

Source: USGS, NH DES




Highest and lowest month-end water levels are monthly extremes for the period of record
Above-normal is the 75% quartile (25% of month-end water levels were higher)
Below-normal is the 25% quartile (25% of month-end water levels were lower)
Median is the 50% quartile (half of the month-end water levels were higher or lower)
Water levels after September 2003 are provisional and subject to revision.

Source: USGS, NH DES, Dam Bureau,

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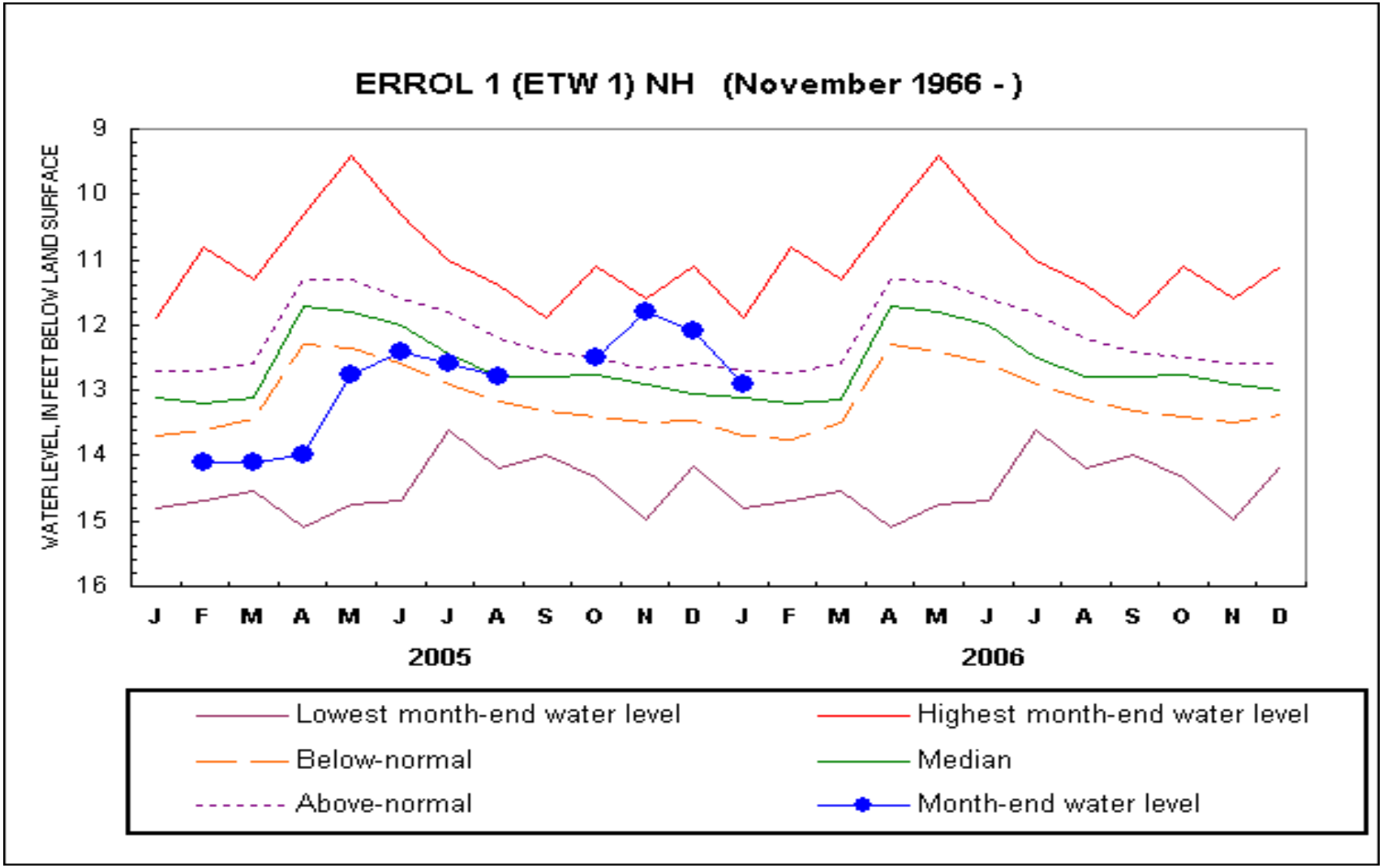


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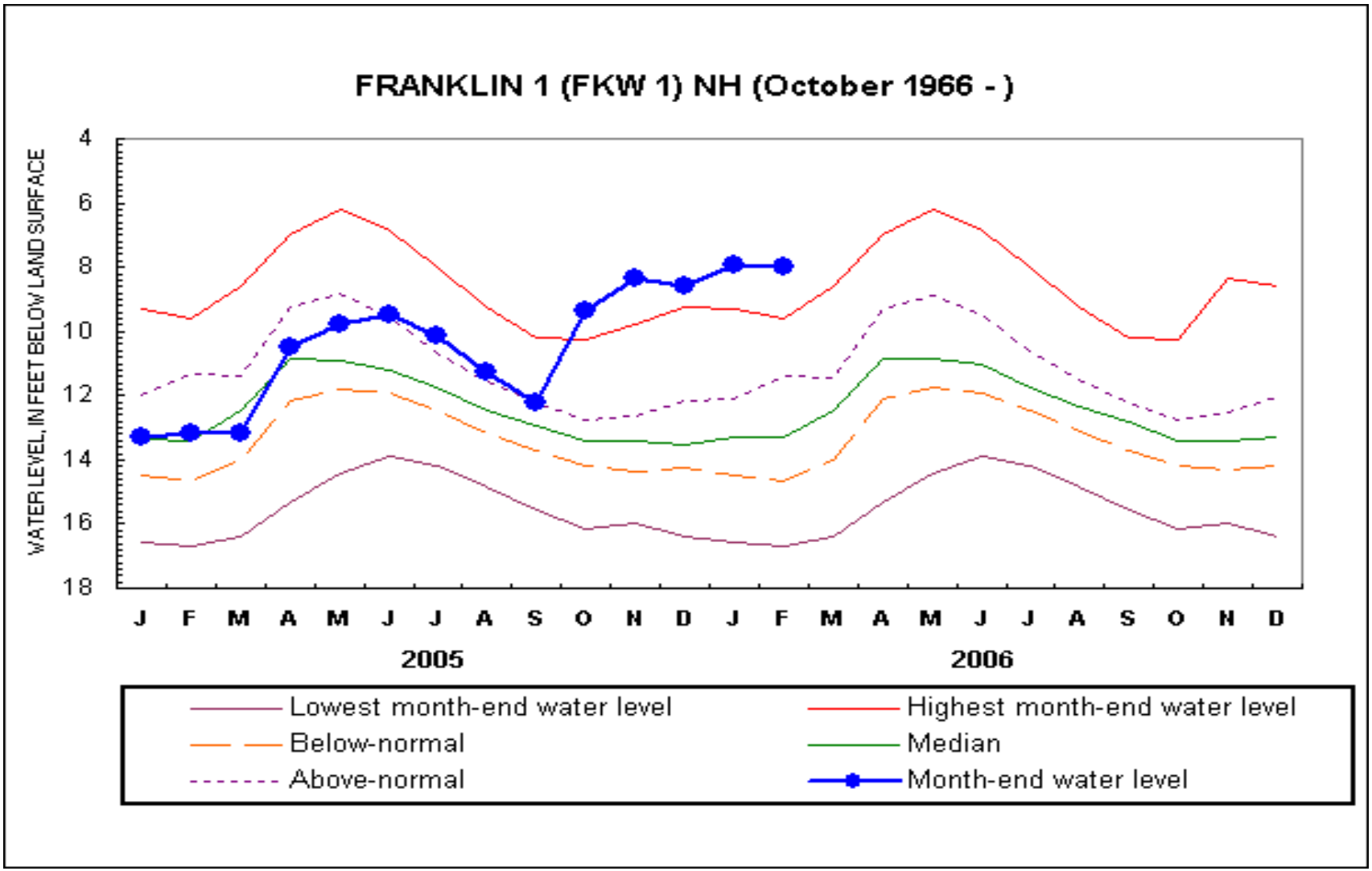


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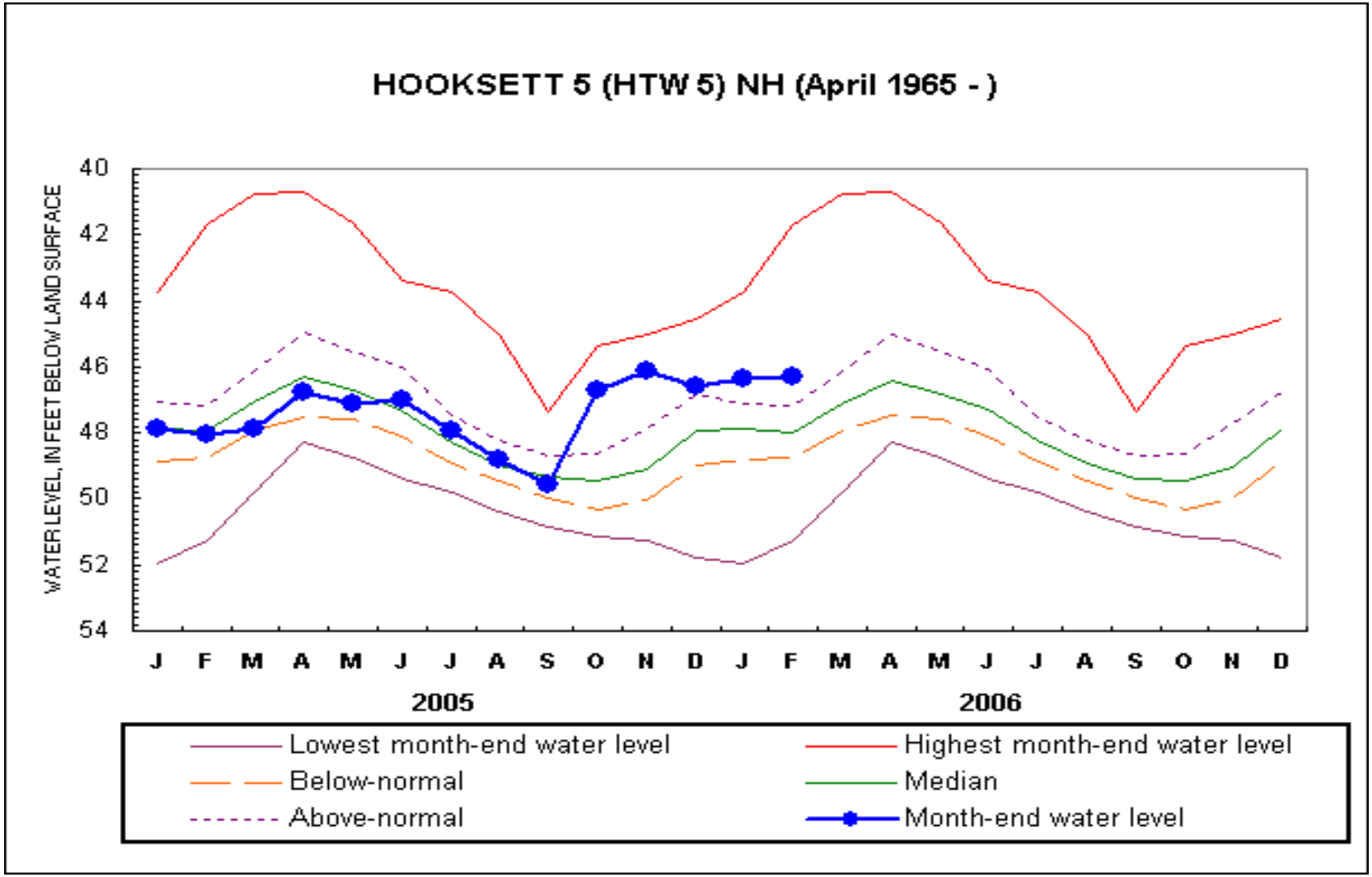


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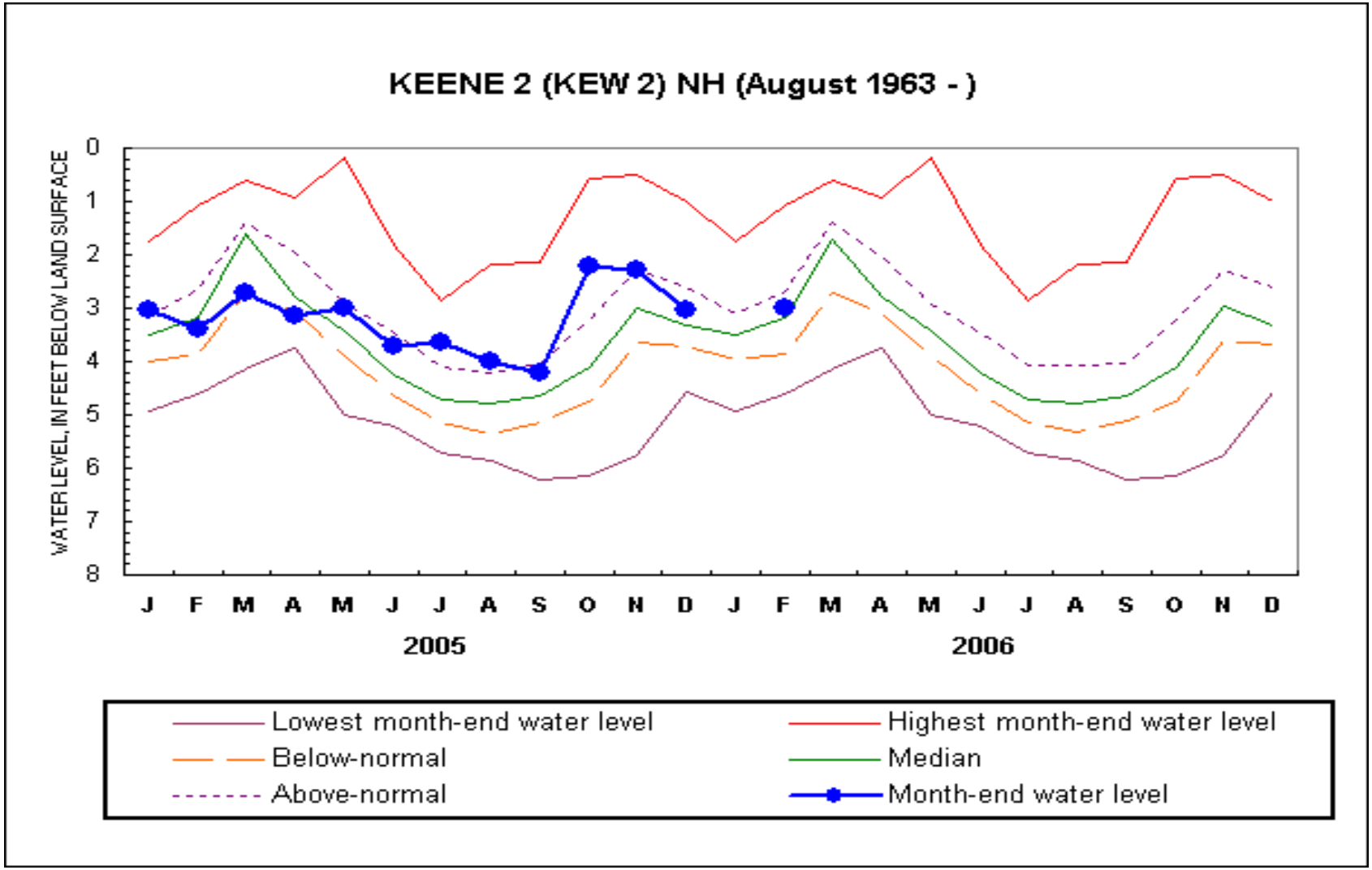


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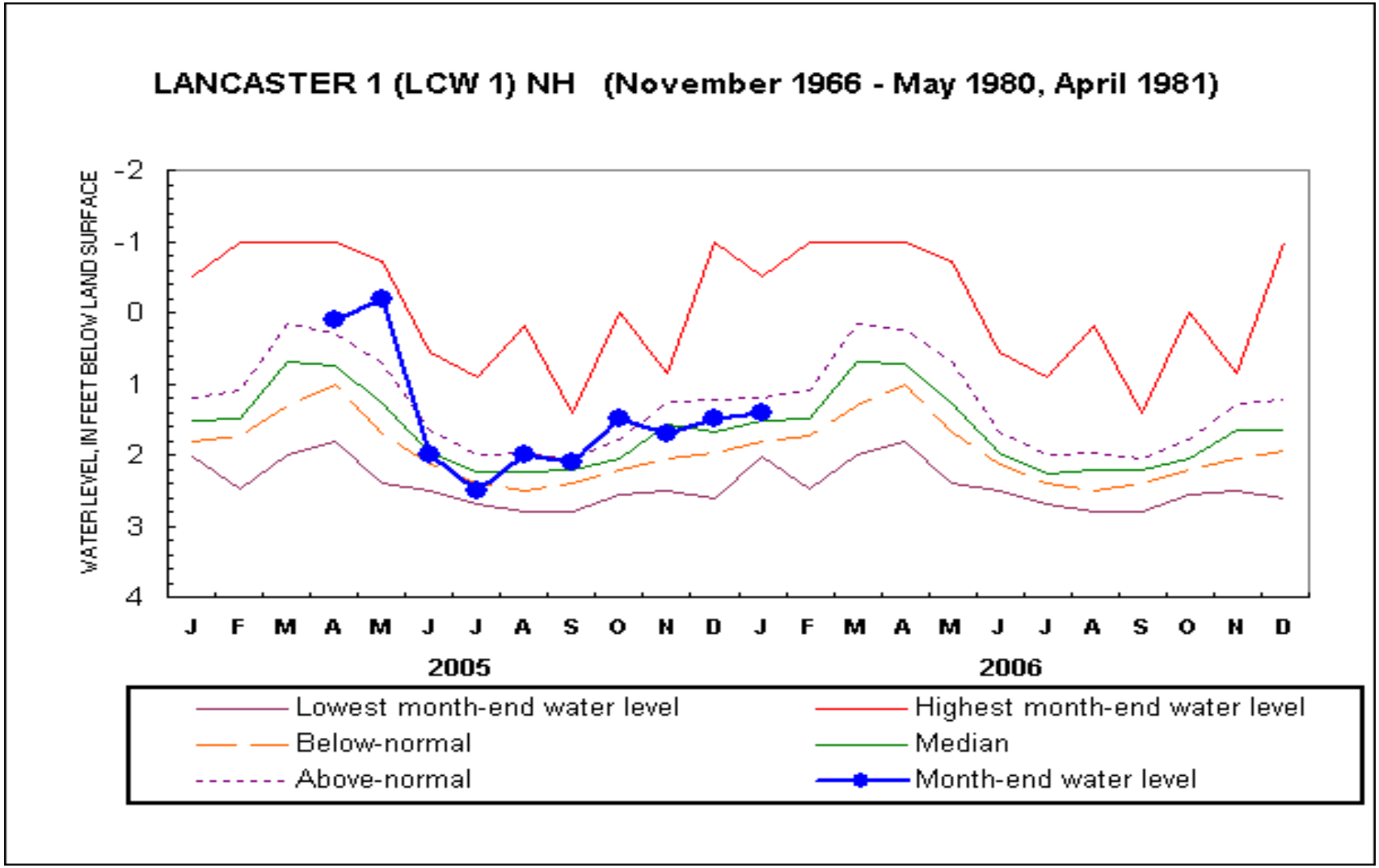


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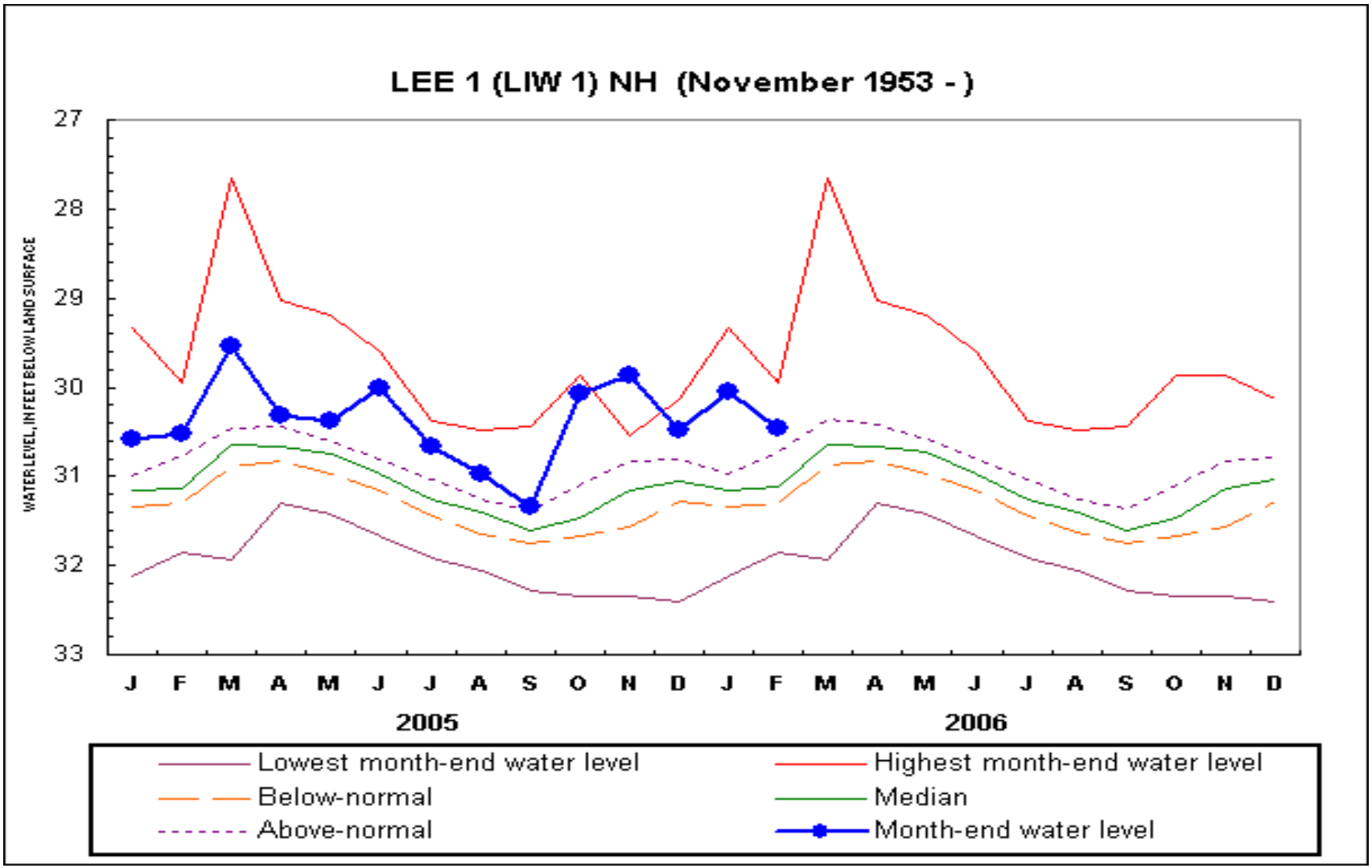


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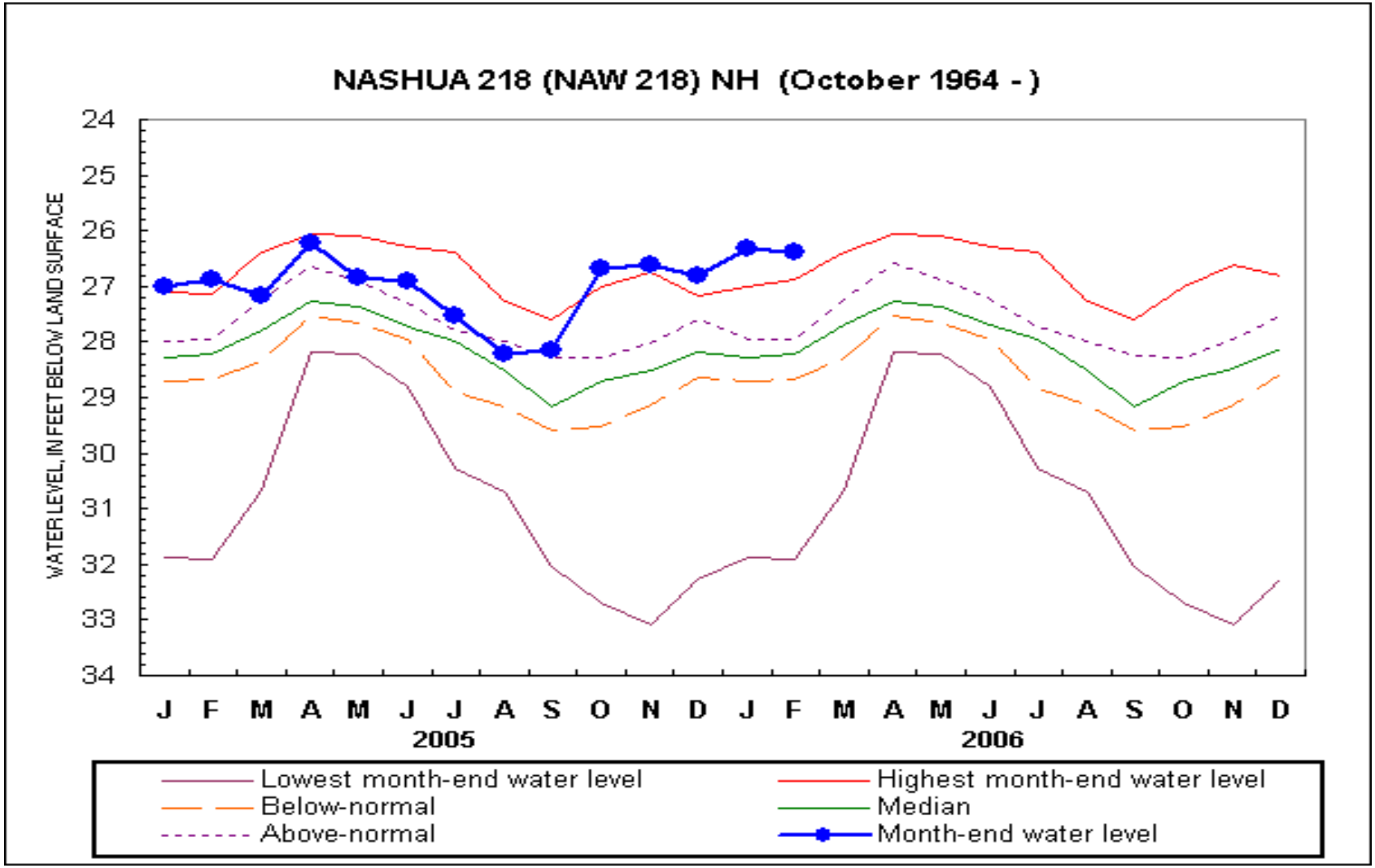


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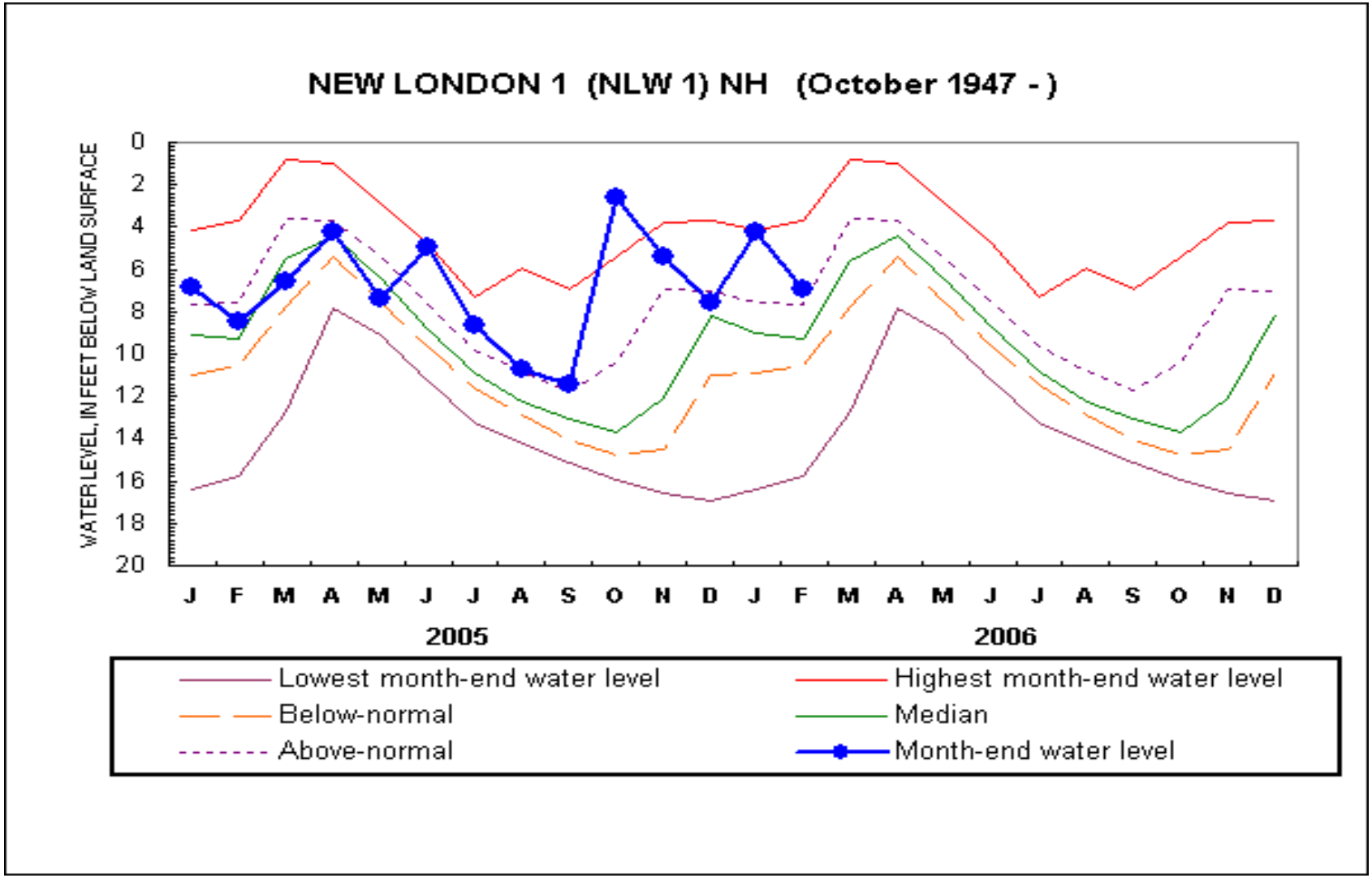


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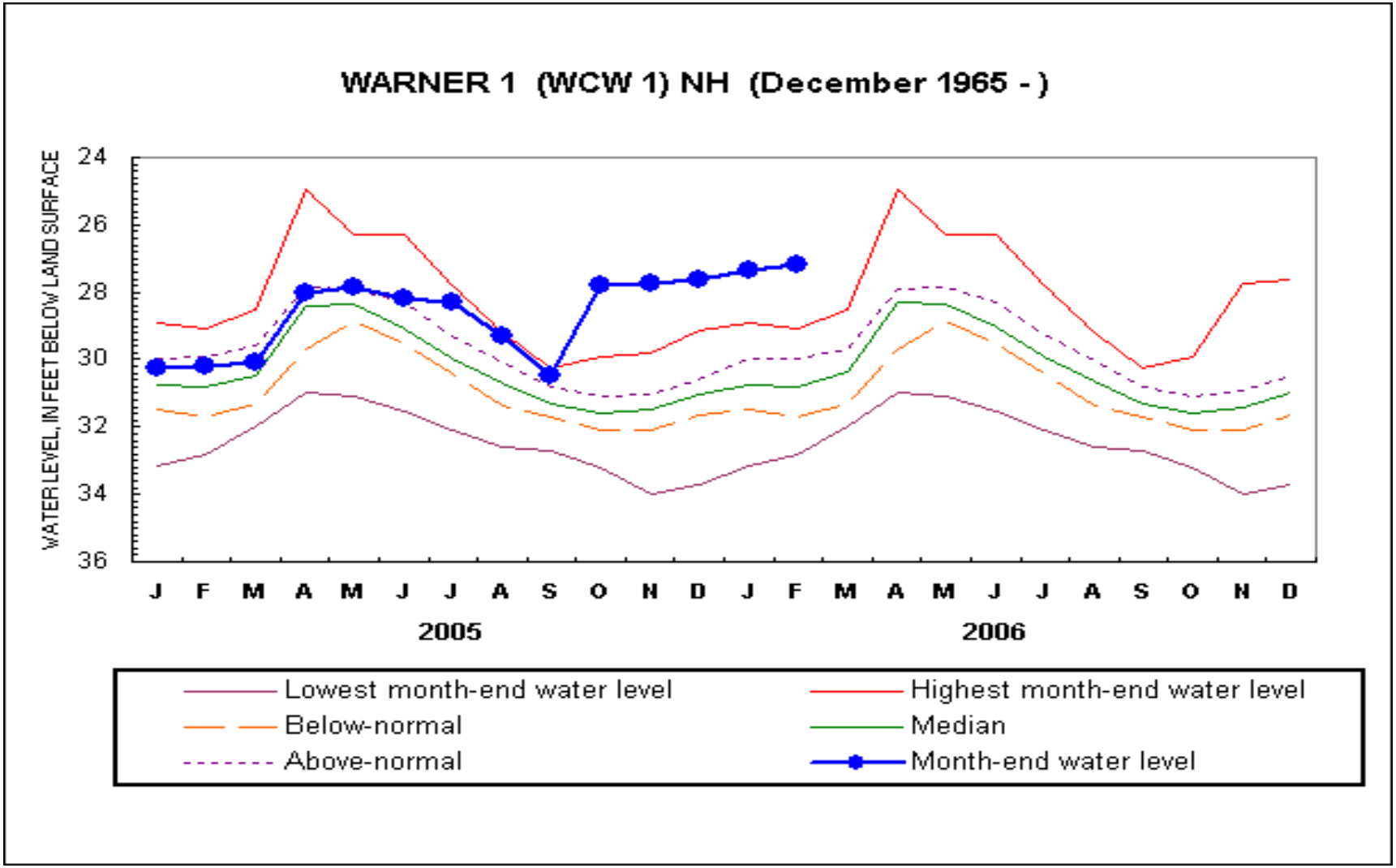


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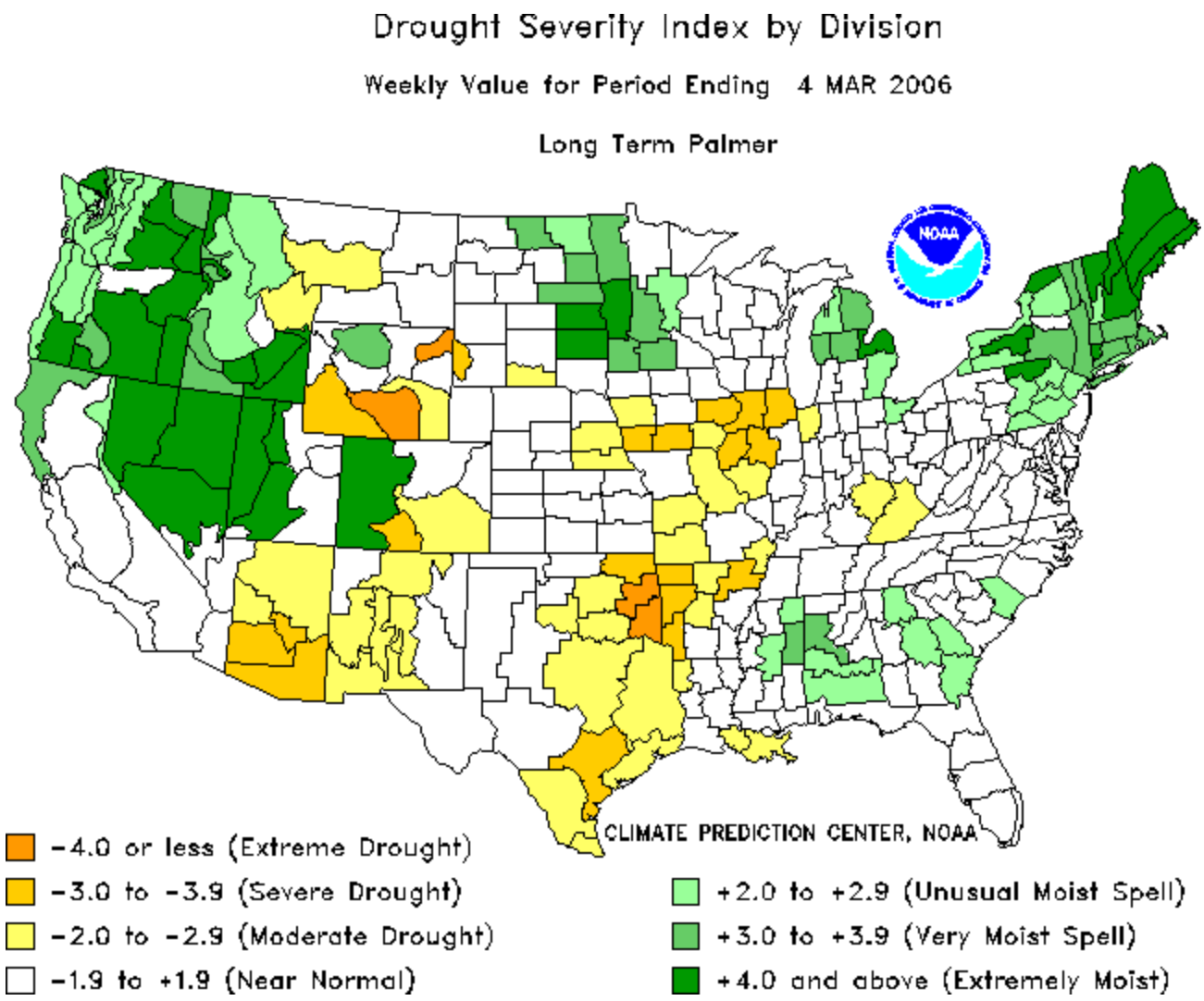
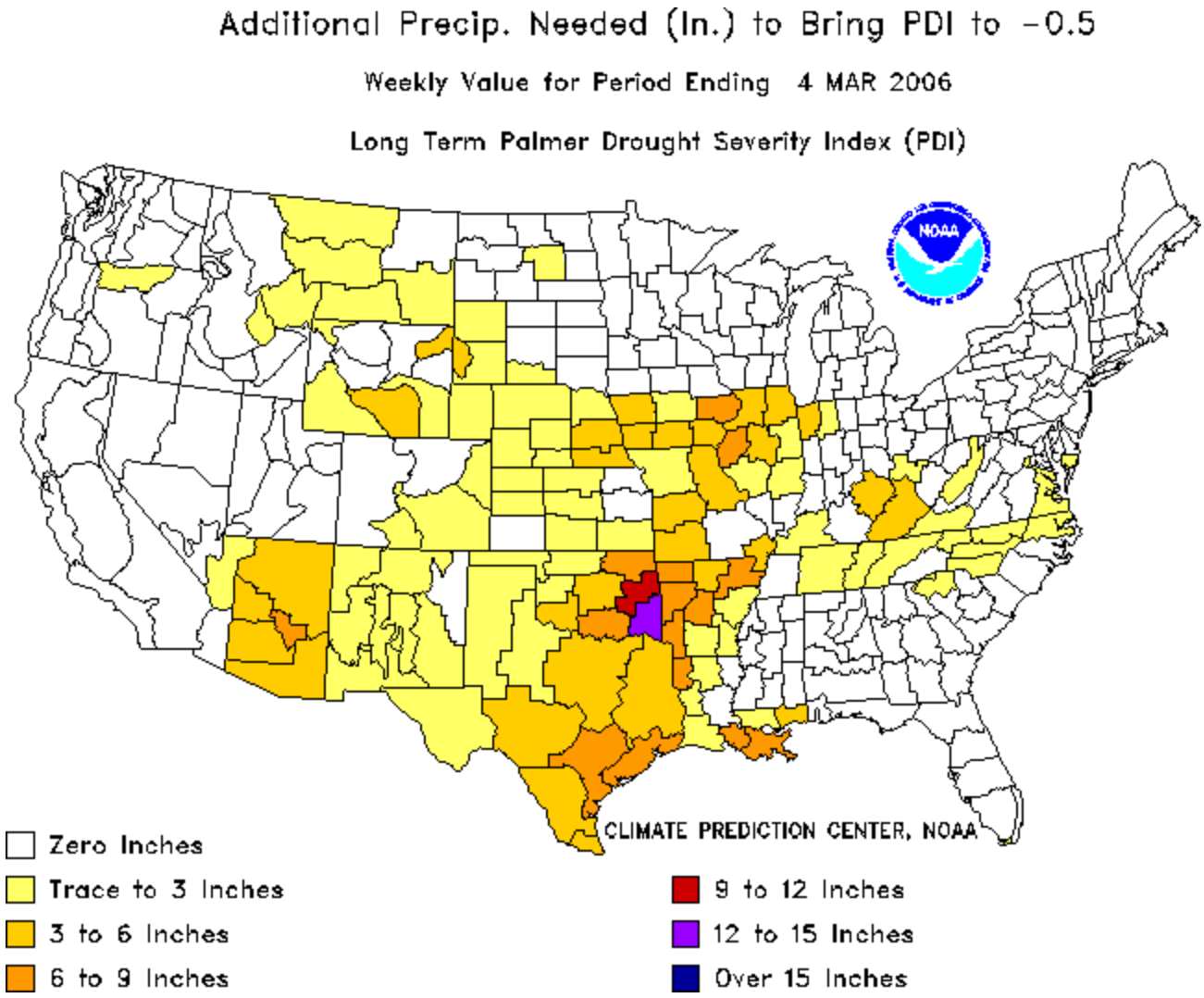



## THE PALMER DROUGHT SEVERITY INDEX

The Palmer Index uses temperature and rainfall information in a formula to determine dryness. The advantage of the Palmer Index is that it is standardized to local climate.




This is the amount of rainfall required in a week's time to bring the index back to zero inches required.